

Form PTO-1449 U.S. Department of Commerce
(REV. 2-82) Patent and Trademark Office

Atty. Docket No.
036217/US/2 - 475387-
00191

Serial No.
10/551,735

**INFORMATION DISCLOSURE STATEMENT
BY APPLICANT**
(Use several sheets if necessary)

Applicant(s)
Guillermo J. Tearney et al.

Filing Date
September 29, 2005

Confirmation No.
6550

U.S. PATENT DOCUMENTS

*Exam. Init.	Document No.							Date	Name	Class	Subclass	Filing Date if Appropriate
	6	5	0	1	8	7	8	December 31, 2002	Hughes et al.			
2004	0	1	0	0	6	8	1	May 2004	Bjarklev et al. [Ⓟ]			
2004	0	0	8	6	2	4	5	May 2004	Farroni et al. [Ⓟ]			
2002	0	1	7	2	4	8	5	November 2002	Keaton et al. [Ⓟ]			
2002	0	1	8	8	2	0	4	December 12, 2002	McNamara et al. ^{ⓅⓅ}			
2002	0	0	7	6	1	5	2	June 20, 2002	Hughes et al. ^{ⓅⓅⓅ}			
	6	7	9	0	1	7	5	September 14, 2004	Furusawa et al. ^{ⓅⓅⓅ}			
	6	2	6	4	6	1	0	July 24, 2001	Zhu ^{ⓅⓅⓅⓅⓅ}			
	3	6	0	1	4	8	0	August 24, 1971	Donald Sexton Randall ^{ⓅⓅⓅⓅⓅⓅ}			
	5	4	1	1	0	1	6	May 2, 1995	Kume et al. [Ⓔ]			
	5	7	4	0	8	0	8	April 21, 1998	Panescu et al. [Ⓔ]			
	6	2	7	4	8	7	1	August 21, 2001	Dukor et al. ^{ⓅⓅⓅⓅⓅⓅ}			
	5	8	6	2	2	7	3	January 19, 1999	Pelletier ^{ⓅⓅⓅⓅⓅⓅⓅ}			
	4	4	7	9	4	9	9	October 30, 1984	Alfano ^{ⓅⓅⓅⓅⓅⓅⓅ}			
	4	0	3	0	8	2	7	June 21, 1977	Delhay et al. ^{ⓅⓅⓅⓅⓅⓅⓅ}			
2004	0	1	0	0	6	3	1	May 27, 2004	Bashkansky et al. ^{ⒺⒺⒺ}			
	7	2	3	1	2	4	3	June 12, 2007	Tearney et al. ^{ⒺⒺⒺ}			
	3	8	5	6	0	0	0	December 24, 1974	Chikama ^{ⒺⒺⒺⒺ}			
	3	9	4	1	1	2	1	March 2, 1976	Olinger ^{ⒺⒺⒺⒺ}			

Examiner

Date Considered

* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 U.S. Department of Commerce
(REV. 2-82) Patent and Trademark Office

Atty. Docket No.
036217/US/2 - 475387-
00191

Serial No.
10/551,735

**INFORMATION DISCLOSURE STATEMENT
BY APPLICANT**
(Use several sheets if necessary)

Applicant(s)
Guillermo J. Tearney et al.

Filing Date
September 29, 2005

Confirmation No.
6550

		4	1	4	1	3	6	2	February 27, 1979	Wurster	EEEEEE			
		4	6	0	7	6	2	2	August 26, 1986	Fritch et al.	EEEEEE			
		6	5	5	6	3	0	5	April 29, 2003	Aziz et al.	EEEEEE			
	2002	0	0	6	4	3	4	1	May 30, 2002	Fauver et al.	EEEEEE			
		5	8	7	2	8	7	9	February 16, 1999	Hamm	EEEEEE			
		5	6	2	1	8	3	0	April 15, 1997	Lucey et al.	EEEEEE			
	2003	0	1	6	4	9	5	2	September 4, 2003	Deichmann et al.	EEEEEE			

FOREIGN PATENT DOCUMENT

		Document No.							Date	Country	Class	SubClass	Translator	
													Yes	No
	2005	0	0	0	0	1	1	5	January 6, 2005	WIPO ⁰⁵				
		9	8	0	1	0	7	4	January 15, 1998	WIPO ⁰⁵				
	2004	0	0	6	6	8	2	4	August 12, 2004	WIPO ⁰⁵				
	1	0	3	5	1	3	1	9	June 16, 2005	Germany ⁰⁵⁰⁵				
		9	8	3	8	9	0	7	September 11, 1998	WIPO ⁰⁵⁰⁵				
		1	2	5	7	7	7	8	December 22, 1971	Great Britain ⁰⁵⁰⁵⁰⁵⁰⁵				
	200	5	0	5	4	7	8	0	June 16, 2005	WIPO ⁰⁵⁰⁵⁰⁵⁰⁵				
	200	6	1	3	0	7	9	7	December 7, 2006	WIPO ⁰⁵⁰⁵⁰⁵⁰⁵				
	200	6	0	1	4	3	9	2	February 9, 2006	WIPO ⁰⁵⁰⁵⁰⁵⁰⁵				
		9	8	4	6	1	2	3	October 22, 1998	WIPO ⁰⁵				
		0	5	9	0	2	6	8	April 6, 1994	European ⁰⁵				
	200	4	0	8	8	3	6	1	October 14, 2004	WIPO ⁰⁵				
		2	0	3	0	3	1	3	April 2, 1980	Great Britain ⁰⁵⁰⁵⁰⁵				

Examiner

Date Considered

* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 U.S. Department of Commerce
(REV. 2-82) Patent and Trademark Office

Atty. Docket No.
036217/US/2 - 475387-
00191

Serial No.
10/551,735

**INFORMATION DISCLOSURE STATEMENT
BY APPLICANT**
(Use several sheets if necessary)

Applicant(s)
Guillermo J. Tearney et al.

Filing Date
September 29, 2005

Confirmation No.
6550

- ° References cited in Office Action dated February 2, 2007 for U.S. Patent Application No. 11/174,425
 °° References cited in International Search Report PCT/US2006/031905
 °°° References cited in Office Action dated March 28, 2007 for U.S. Patent Application No. 11/241,907
 °°°° References cited in International Search Report PCT/US2007/060481
 °°°°° References cited in Office Action dated May 23, 2007 for U.S. Patent Application No. 10/406,751
 °°°°°° References cited in International Search Report PCT/US2007/060717
 °°°°°°° References cited in International Search Report PCT/US2007/060319
 °°°°°°°° References cited in Office Action dated August 10, 2007 for U.S. Patent Application No. 10/997,789
 °°°°°°°°° References cited in International Search Report PCT/US2007/060657
 °°°°°°°°°° References cited in International Search Report PCT/US2007/061815
 °°°°°°°°°°° References cited in International Search Report PCT/US2007/062465
 € References cited in International Search Report PCT/US2007/066017
 €€ References cited in European Patent Office Search Report for Application No. 01991092.6-2305
 €€€ References cited in International Search Report PCT/US2007/060670
 €€€€ Reference cited in Office Action dated October 11, 2007 for U.S. Patent Application No. 11/534,095
 €€€€€ References cited in Office Action dated October 9, 2007 for U.S. Patent Application No. 09/709,162
 €€€€€€ References cited in Notice of Allowance dated October 3, 2007 for U.S. Patent Application No. 11/225,840
 €€€€€€€ References cited in Office Action dated October 30, 2007 for U.S. Patent Application No. 11/670,069

OTHER DOCUMENTS (including Author, Title Date, Pertinent Pages, Etc.)

			Hariri, Lida P. et al. "Endoscopic Optical Coherence Tomography and Laser-Induced Fluorescence Spectroscopy in a Murine Colon Cancer Model", Laser in Surgery and Medicine, Vol. 38, 2006, pages 305-313
			PCT International Search Report and Written Opinion for Application No. PCT/US2006/031905 dated May 3, 2007
			PCT International Search Report and Written Opinion for Application No. PCT/US2007/060481 dated May 23, 2007
			PCT International Search Report and Written Opinion for Application No. PCT/US2007/060717 dated May 24, 2007
			PCT International Search Report and Written Opinion for Application No. PCT/US2007/060319 dated June 6, 2007

Examiner

Date Considered

* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 U.S. Department of Commerce
(REV. 2-82) Patent and Trademark Office

Atty. Docket No.
036217/US/2 - 475387-
00191

Serial No.
10/551,735

**INFORMATION DISCLOSURE STATEMENT
BY APPLICANT**
(Use several sheets if necessary)

Applicant(s)
Guillermo J. Tearney et al.

Filing Date
September 29, 2005

Confirmation No.
6550

		D. Yelin et al., "Three-dimensional imaging using spectral encoding heterodyne interferometry", Optics Letters, July 15, 2005, Vol. 30, No. 14, Pages 1794-1796 *****
		Akiba, Masahiro et al. "En-face optical coherence imaging for three-dimensional microscopy", SPIE, 2002, pages 8-15 *****
		Copy of Office Action dated August 10, 2007 for U.S. Patent Application No. 10/997,789
		Copy of Office Action dated February 2, 2007 for U.S. Patent Application No. 11/174,425
		PCT International Search Report and Written Opinion for Application No. PCT/US2007/060657 dated August 13, 2007
		Lewis, Neil E. et al., "Applications of Fourier Transform Infrared Imaging Microscopy in Neurotoxicity", Annals New York Academy of Sciences, pages 234-246 *****
		Joo, Chulmin et al., Spectral-domain optical coherence phase microscopy for quantitative phase-contrast imaging", Optics Letters, August 15, 2005, Vol. 30, No. 16, pages 2131-2133 *****
		Guo, Bujin et al., "Laser-based mid-infrared reflectance imaging of biological tissues", Optics Express, January 12, 2004, Vol. 12, No. 1, pages 208-219 *****
		Copy of Office Action dated March 28, 2007 for U.S. Patent Application No. 11/241,907
		Copy of Office Action dated May 23, 2007 for U.S. Patent Application No. 10/406,751
		PCT International Search Report and Written Opinion for Application No. PCT/US2007/061815 dated August 2, 2007
		Sir Randall, John et al., "Brillouin scattering in systems of biological significance", Phil. Trans. R. Soc. Lond. A 293, 1979, pages 341-348 *****
		Takagi, Yasunari, "Application of a microscope to Brillouin scattering spectroscopy", Review of Scientific Instruments, No. 12, December 1992, pages 5552-5555 *****
		Lees, S. et al., "Studies of Compact Hard Tissues and Collagen by Means of Brillouin Light Scattering", Connective Tissue Research, 1990, Vol. 24, pages 187-205 *****
		Berovic, N. "Observation of Brillouin scattering from single muscle fibers", European Biophysics Journal, 1989, Vol. 17, pages 69-74 *****

Examiner

Date Considered

* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 U.S. Department of Commerce
(REV. 2-82) Patent and Trademark Office

Atty. Docket No.
036217/US/2 – 475387-
00191

Serial No.
10/551,735

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

Applicant(s)
Guillermo J. Tearney et al.

Filing Date
September 29, 2005

Confirmation No.
6550

		PCT International Search Report and Written Opinion for Application No. PCT/US2007/062465 dated August 8, 2007
		Pyhtila John W. et al., "Rapid, depth-resolved light scattering measurements using Fourier domain, angle-resolved low coherence interferometry", Optics Society of America, 2004
		Pyhtila John W. et al., "Determining nuclear morphology using an improved angle-resolved low coherence interferometry system", Optics Express, December 15, 2003, Vol. 11, No. 25, pages 3473-3484
		Desjardins A.E., et al., "Speckle reduction in OCT using massively-parallel detection and frequency-domain ranging", Optics Express, May 15, 2006, Vol. 14, No. 11, pages 4736-4745
		Nadkarni, Seemantini K., et al., "Measurement of fibrous cap thickness in atherosclerotic plaques by spatiotemporal analysis of laser speckle images", Journal of Biomedical Optics, Vol. 11 Marsh/April 2006, pages 021006-1 -8
		PCT International Search Report and Written Opinion for Application No. PCT/US2007/066017 dated August 30, 2007
		Yamanari M. et al., "Polarization sensitive Fourier domain optical coherence tomography with continuous polarization modulation", Proc. of SPIE, Vol. 6079, 2006 e
		Zhang Jun et al., "Full range polarization-sensitive Fourier domain optical coherence tomography", Optics Express, November 29, 2004, Vol. 12, No. 24, pages 6033-6039 e
		European Patent Office Search report for Application No. 01991092.6-2305 dated January 12, 2006
		PCT International Search Report and Written Opinion for Application No. PCT/US2007/060670 dated September 21, 2007
		J. M. Schmitt et al., "Speckle in Optical Coherence Tomography: An Overview", SPIE Vol. 3726, pages 450-461 eee
		Copy of Office Action dated October 11, 2007 for U.S. Patent Application No. 11/534,095
		Copy of Office Action dated October 9, 2007 for U.S. Patent Application No. 09/709,162
		Copy of Notice of Allowance dated October 3, 2007 for U.S. Patent Application No. 11/225,840
		Siavash Yazdanfar et al., "In Vivo imaging in blood flow in human retinal vessels using color Doppler optical coherence tomography", SPIE, 1999 Vol. 3598, pages 177-184 eeeee
		Copy of Office Action dated October 30, 2007 for U.S. Patent Application No. 11/670,069

4822-4298-8034\1

Examiner

Date Considered

* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.